



2 year warranty

## Model name

**PAF 700 F 48-12/**

Series Name      Function F: Full function      Standard output voltage      Option: blank: Standard, T: Through hole type  
Output Wattage      Standard input voltage

## Features

- Full-brick type DC-DC Power Module suitable for information and telecommunication equipment
- Intensive control circuit, Zero Voltage Switching (ZVS)
- High efficiency, low noise, high power density, good cost performance
- Maximum output power density: up to 5.53W/cm<sup>3</sup>
- Wide input voltage range: DC36-76V
- Wide operation temperature range:
  - 1) Base plate temperature range: -40°C ~ +100°C
  - 2) Conduction cooling system available for adjusting radiating method conforming to the shape of the devices

## Specifications

1. Input voltage range	See Product line up Chart below.
2. Output voltage range	3.3V&5V type : -40 ~ +20% , 12V&28V type : -40 ~ +10%
3. Parallel operation	Possible. Output current balancing (PC)
4. Line regulation	3.3V&5V type : 10mV , 12V type : 24mV , 28V type : 56mV within nominal input voltage range at constant load
5. Load regulation	3.3V&5V type : 10mV , 12V type : 24mV , 28V type : 56mV no load to full load at constant input voltage
6. Cooling	Conduction cooling
7. Operating temperature	-40°C ~ +100°C (Baseplate) Ambient temperature min=-40°C
8. Withstand voltage	Input-output : 1.5kVDC, Input-chassis : 1.5kVDC, Output-chassis : 500VDC for 1 min
9. Safety standard	PAF500F: Approved by UL1950 , CSA950  and EN60950 PAF600F, PAF700F48: Approved by UL60950 , CSA60950  and EN60950
10. CE marking	Conforms to low voltage directive
11. Functions	Over voltage protection, Over current protection, Thermal Protection, Remote on/off control, Inverter good signal (IOG), Auxiliary power supply for external signal (AUX)

## Product lineup

Model name	Input voltage	Output voltage	Output current (max)	Output power	Efficiency	UL	CSA	EN
PAF500F24 (input 24VDC)	PAF500F24-12	19 ~ 36V	12V	42A	504W	89%	○	○
	PAF500F24-28	18 ~ 36V	28V	18A	504W	90%	○	○
PAF500F48 (input 48VDC)	PAF500F48-3.3	36 ~ 76V	3.3V	80A	264W	78%	○	○
	PAF500F48-5	36 ~ 76V	5V	80A	400W	83%	○	○
	PAF500F48-12	36 ~ 76V	12V	42A	504W	89%	○	○
	PAF500F48-28	36 ~ 76V	28V	18A	504W	90%	○	○
PAF600F24 (input 24VDC)	PAF600F24-12	20 ~ 36V	12V	50A	600W	89%	○	○
	PAF600F24-28	19 ~ 36V	28V	21.5A	602W	89%	○	○
PAF600F48 (input 48VDC)	PAF600F48-12	36 ~ 76V	12V	50A	600W	89%	○	○
	PAF600F48-28	36 ~ 76V	28V	21.5A	602W	90%	○	○
PAF700F48 (input 48VDC)	PAF700F48-12	36 ~ 76V	12V	58.5A	702W	90%	○	○
	PAF700F48-28	36 ~ 76V	28V	25A	700W	91%	○	○

- Request customer specification for further details of specifications, outline, characteristics, etc. Read the instruction manual before usage.
- Contact us about delivery before ordering.

○ : Safety standard approved

## Outline drawing

